

CLAIMS

What is claimed is:

- 1 1. A resin composition comprising,
2 (a) 50 to 90 wt% of a polyester resin, and
3 (b) a filler component having a particle size of less than 150 mesh,
4 wherein said composition is degradable.
- 1 2. The resin composition of claim 1, wherein the polyester resin is an aliphatic-aromatic
2 copolyester resin.
- 1 3. The resin composition of claim 1, wherein the polyester resin is a copolymer of an
2 aromatic di-acid and an aliphatic di- alcohol.
- 1 4. The resin composition of claim 1, wherein the polyester resin is a copolymer of an
2 aliphatic di-acid and an aromatic di- alcohol.
- 1 5. The resin composition of claim 1, wherein the filler component is selected from the
2 group consisting of inorganic carbonate, synthetic carbonate, nepheline syenite,
3 magnesium hydroxide, aluminum trihydrate, diatomaceous earth, natural silica, synthetic
4 silica and mixtures thereof.
- 1 6. The resin composition of claim 1, wherein the filler component is selected from the
2 group consisting of talc, mica, calcined clay and mixtures thereof.
- 1 7. The composition of claim 5, wherein the filler component is present at a range of about
2 5 to about 50 wt%.
- 1 8. The composition of claim 6, wherein the filler component is present at a range of about
2 10 to about 60 wt%.
- 1 9. The composition of claim 1, wherein said composition is biodegradable.
- 1 10. The composition of claim 1, wherein said composition is photochemically
2 degradable.
- 1 11. A resin composition comprising
2 (a) 50 to 90 wt% of a polyester resin,
3 (b) a first filler component having a particle size of less than 150 mesh, and
4 (c) a second filler component having a particle size of less than 150 mesh,
5 wherein said composition is degradable.

- 1 12. The resin composition of claim 11, wherein the first filler component is selected from
2 the group consisting of talc, mica, calcined clays and mixtures thereof.
- 1 13. The resin composition of claim 11, wherein the second filler component is selected
2 from the group consisting of inorganic carbonate, synthetic carbonate, nepheline syenite,
3 magnesium hydroxide, aluminum trihydrate, diatomaceous earth, natural silica, synthetic
4 silica and mixtures thereof.
- 1 14. The resin composition of claim 11, wherein the first filler component is present at a
2 range of about 5 to about 50 wt%.
- 1 15. The resin composition of claim 11, wherein the second filler component is present at
2 a range of about 10 to about 60 wt%.
- 1 16. The resin composition of claim 11, wherein said composition is biodegradable.
- 1 17. The resin composition of claim 11, wherein said composition is photochemically
2 degradable.
- 1 18. A film composed of a polyester copolymer resin comprising,
2 (a) 50 to 90 wt% of a polyester resin, and
3 (b) a filler component having a particle size of less than 150 mesh,
4 wherein said film is degradable.
- 1 19. The film of claim 18, wherein the filler component is selected from the group
2 consisting of inorganic carbonate, synthetic carbonate, nepheline syenite, magnesium
3 hydroxide, aluminum trihydrate, diatomaceous earth, natural silica, synthetic silica and
4 mixtures thereof.
- 1 20. The film of claim 18, wherein the filler component is selected from the group
2 consisting of talc, mica, calcined clay and mixtures thereof.
- 1 21. The film of claim 19, wherein the filler component is present at a range of about 5 to
2 about 50 wt%.
- 1 22. The film of claim 20, wherein the filler component is present at a range of about 10 to
2 about 60 wt%.
- 1 23. The film of claim 18, wherein said film is biodegradable.
- 1 24. The film of claim 18, wherein said film is photochemically degradable.
- 1 25. A film composed of a polyester copolymer resin comprising,

- 2 (a) 50 to 90 wt% of a polyester resin,
3 (b) a first filler component having a particle size of less than 150 mesh, and
4 (c) a second filler component having a particle size of less than 150 mesh,
5 wherein said film is degradable.
- 1 26. The film of claim 25, wherein the first filler component is selected from the group
2 consisting of talc, mica, calcined clays and mixtures thereof.
- 1 27. The film of claim 25, wherein the second filler component is selected from the group
2 consisting of inorganic carbonate, synthetic carbonate, nepheline syenite, magnesium
3 hydroxide, aluminum trihydrate, diatomaceous earth, natural silica, synthetic silica and
4 mixtures thereof.
- 1 28. The film of claim 26, wherein the first filler component is present at a range of about
2 5 to about 50 wt%.
- 1 29. The film of claim 27, wherein the second filler component is present at a range of
2 about 10 to about 60 wt%.
- 1 30. The film of claim 25, wherein said film is biodegradable.
- 1 31. The film of claim 25, wherein said film is photochemically degradable.
- 1 32. A product composed of a polyester film, wherein said film comprises
2 (a) 50 to 90 wt% of a polyester resin, and
3 (b) a filler component having a particle size of less than 150 mesh.,
4 wherein said film is degradable.
- 1 33. The product of claim 32, wherein the filler component is selected from the group
2 consisting of inorganic carbonate, synthetic carbonate, nepheline syenite, magnesium
3 hydroxide, aluminum trihydrate, diatomaceous earth, natural silica, synthetic silica and
4 mixtures thereof.
- 1 34. The product of claim 32, wherein the filler component is selected from the group
2 consisting of talc, mica, calcined clay and mixtures thereof.
- 1 35. The product of claim 33, wherein the filler component is present at a range of about 5
2 to about 50 wt%.
- 1 36. The product of claim 34, wherein the filler component is present at a range of about
2 10 to about 60 wt%.

- 1 37. The product of claim 32, wherein said product is biodegradable.
- 1 38. The product of claim 32, wherein said product is photochemically degradable.
- 1 39. A product composed of a polyester film, wherein said film comprises
- 2 (a) 50 to 90 wt% of a polyester resin,
- 3 (b) a first filler component having a particle size of less than 150 mesh, and
- 4 (c) a second filler component having a particle size of less than 150 mesh,
- 5 wherein said film is degradable.
- 1 40. The product of claim 39, wherein the first filler component is selected from the group
- 2 consisting of talc, mica, calcined clays and mixtures thereof.
- 1 41. The product of claim 39, wherein the second filler component is selected from the
- 2 group consisting of inorganic carbonate, synthetic carbonate, nepheline syenite,
- 3 magnesium hydroxide, aluminum trihydrate, diatomaceous earth, natural silica, synthetic
- 4 silica and mixtures thereof.
- 1 42. The product of claim 40, wherein the first filler component is present at a range of
- 2 about 5 to about 50 wt%.
- 1 43. The product of claim 41, wherein the second filler component is present at a range of
- 2 about 10 to about 60 wt%.
- 1 44. The product of claim 39, wherein said product is biodegradable.
- 1 45. The product of claim 39, wherein said product is photochemically degradable.